

ABSTRACT OF THE DISCLOSURE

[0033] A pin tool assembly is provided for transferring small amounts of liquids to a substrate. The assembly includes a base plate with an array of apertures formed therethrough. Pins are disposed in the apertures. The pins and the apertures are dimensioned to permit sliding movement along the axis of the pins but to prevent wobbling movement. A weight plate is mounted over the pins to urge the pins into a fully seated position in the apertures. A transition cover is releasably engaged over the base plate. The cover includes a plurality of upwardly opening receptacles for releasable engagement with a pipette head. The pipette head can be employed with a robotic device for moving the pin tool assembly from a well plate or other liquid source to a selected destination for the liquid. The pin tool assembly then can be separated from the pipette head and discarded or recycled.

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